

What is claimed is:

1. An apparatus on a draw frame for textile fiber slivers, having weighted top rollers for the drawing system, the apparatus comprising:

successively arranged pairs of rollers, each pair of rollers having a bottom roller and a top roller;

a plurality of pressure arms, each pressure arm having weighted pressure elements for pressing one of the top rollers against its corresponding bottom roller during operation, each pressure arm being positioned so as to one of rotate and pivot together with its pressure elements around one of a rotating bearing and a pivot bearing; and

a plurality of supporting elements, each supporting element connecting the pressure elements associated with one of the top rollers,

wherein the pressure elements are removable.

2. An apparatus according to claim 1, in which each pressure element comprises a reciprocating member.

3. An apparatus according to claim 1, wherein each pressure element is a pneumatic cylinder of rectangular cross-section.

4. An apparatus according to claim 3, wherein a pressure device comprises one of the pressure arms, two of the pneumatic cylinders and one of the supporting elements.

5. An apparatus according to claim 1, wherein one of the pressure elements is associated with a first end region of each of the top rollers and another of the pressure elements is associated with a second, opposed, end region of each of the top rollers.

6. An apparatus according to claim 1, wherein said pressure elements structurally support said supporting element.

7. An apparatus according to claim 1, wherein a first pressure element of the pressure elements is mounted at the pivot bearing.

8. An apparatus according to claim 7, wherein the pivot bearing is located in a lower region of the first pressure element.

9. An apparatus according to claim 7, wherein the pivot bearing is located in a lower cover element of the first pressure element.

10. An apparatus according to claim 4, wherein the pressure device is one of rotatable and pivotable about one of a center of rotation and a pivot bearing associated with a first said pressure element and the apparatus further comprises a locking device in a vicinity of a second said pressure element for locking the pressure device in position on said top roller.

11. An apparatus according to claim 10, wherein said second pressure element has a lower cover element, said locking device being provided on said lower cover element.

12. An apparatus according to claim 1, wherein the supporting element is mounted on said pressure elements at or in the vicinity of upper ends of said pressure elements.

13. An apparatus according to claim 1, wherein the supporting element is hollow.

14. An apparatus according to claim 1, wherein the supporting element forms a compressed air channel and the pressure elements are pneumatic cylinders which are in communication with said compressed air channel.

15. An apparatus according to claim 1, wherein the pressure elements are arranged perpendicular to the supporting element.

16. An apparatus according to claim 1, wherein the pressure elements are arranged perpendicular to the top roller.

17. An apparatus according to claim 1, further comprising a portal-shaped pressure arm formed from said pressure elements and said supporting element.

18. An apparatus according to claim 1, wherein the pressure element and the top roller are in a common plane.

19. A drawing system for a draw frame, comprising:

successively arranged pairs of rollers, each pair having a bottom roller and a top roller; and

a weighting device for applying pressure to the top roller of a said pair of rollers, the weighting device having a pair of spaced pressure elements and a support element extending between said pressure elements, said pressure elements comprising structural members of said weighting device.

20. A drawing system according to claim 19, wherein the weighting device is pivotably mounted in the vicinity of a first pressure element of said pair of pressure elements.

21. A drawing system according to claim 20, wherein the top roller to which pressure is applied is connected to the weighting device and pivotable therewith.

22. The apparatus according to claim 1, further comprising a housing for the pressure arm.

23. The apparatus according to claim 22, wherein the housing comprises plastic.

24. The apparatus according to claim 23, wherein the plastic comprises a fiber-reinforced plastic.

25. The apparatus according to claim 22, wherein the housing is an injection-molded housing.

26. The apparatus according to claim 22, wherein the housing is an integral component.

27. The apparatus according to claim 22, wherein the housing comprises the supporting element.

28. The apparatus according to claim 1, wherein the supporting element comprises a channel that is open on one side.

29. The apparatus according to claim 28, further comprising one of electrical lines and pneumatic lines arranged in the channel.

30. The apparatus according to claim 28, wherein the channel is closable with a removable lid.

31. The apparatus according to claim 22, wherein the housing comprises the pressure elements.

32. The apparatus according to claim 22, wherein the housing comprises two holding elements.

33. The apparatus according to claim 32, wherein respectively one holding element is assigned to an outside of the pressure element.

34. The apparatus according to claim 32, wherein one of the holding elements is attached to the one of a rotating bearing and a pivot bearing, such that it can one of rotate and pivot.

35. The apparatus according to claim 34, wherein the one of the holding elements can be detached from the one of a rotating bearing and a pivot bearing.

36. The apparatus according to claim 32, further comprising a locking device, wherein the one of the holding elements can be detached from the locking device.

37. The apparatus according to claim 34, wherein each pressure element is attached via at least one intermediate element to the one of a rotating bearing and a pivot bearing.

38. The apparatus according to claim 36, wherein each pressure element is fastened detachably with at least one intermediate element to the locking device.

39. The apparatus according to claim 1, further comprising a locking and unlocking device for the top roller.

40. The apparatus according to claim 39, wherein the locking and unlocking device is a pressure tracer.

41. The apparatus according to claim 40, wherein the pressure tracer is weighted with a spring element.

42. The apparatus according to claim 40, wherein the pressure tracer is manually activatable.



43. The apparatus according to claim 40, further comprising a housing for the pressure arm, the housing having an intermediate element,

wherein the pressure tracer is arranged on the intermediate element of the housing.

44. The apparatus according to claim 41, wherein the spring-weighted pressure tracer cooperates with an angle lever that is pivotable around a bearing.

45. The apparatus according to claim 44, wherein the angle lever is a double angle lever.

46. The apparatus according to claim 45, wherein the pressure tracer acts upon an angle arm of the double angle lever.

47. The apparatus according to claim 46, wherein the top roller acts jointly with other angle arms of the double angle lever.

48. The apparatus according to claim 1, wherein one pressure element is attached to the one of a rotating bearing and a pivot bearing so as to one of rotate and pivot.

49. The apparatus according to claim 45, wherein two recesses are provided on the double lever, and an elastically loaded detent engages in one of the recesses depending on a position of double lever.